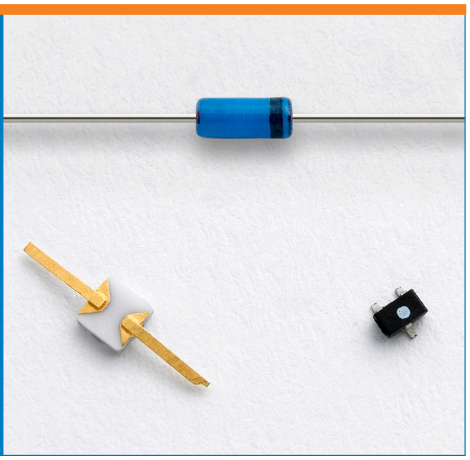
Noisecom

Data Sheet

NC407B

100 MHz to 110 GHz

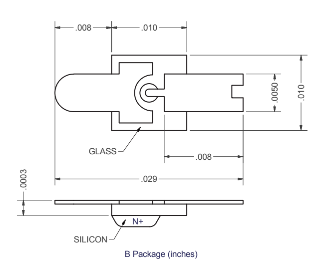
The NC407B is a silicon based, beam lead Noise diode. Operation performance is above 110GHz.



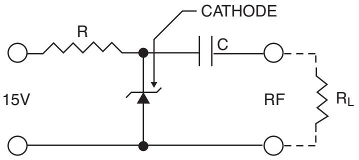
Specifications

Frequency	100 MHz to 110 GHz
V_b	8 to 12V
I_{op}	8mA
R_L	50 ohms
ENR output	15 – 25dB
Package	B
I_{max}	10mA
Output	White Gaussian
Operating Temperature	-55˚C to +125˚C
Storage Temperature	-65˚C to +150˚C
Shipping Package	Gel Pack
Assembly	Silver expoy is recommended, however Gap wielding or thermo compression can be used.

B Package (inches)



Typical Bias Circuit



For NC407B
R = Adjust for performance

$$C \geq \frac{1}{2\pi R_L(f_c)}$$

f_c= low frequency cut

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N/NC407B/2108/EN
Note: Specifications, terms and conditions are subject to change without prior notice.